RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10	1520	, 8	36	,	
Source:			P	\mathcal{I}	10	
Date Processed by STIC:		1	//	9/0	5	

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 01/19/2005
PATENT APPLICATION: US/10/520,836 TIME: 12:20:02

Input Set : A:\EX03-050C-US.patentin.txt
Output Set: N:\CRF4\01192005\J520836.raw

```
3 <110> APPLICANT: EXELIXIS, INC.
     5 <120> TITLE OF INVENTION: RABS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
     7 <130> FILE REFERENCE: EX03-050C-US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/520,836
C--> 9 <141> CURRENT FILING DATE: 2005-01-07
     9 <150> PRIOR APPLICATION NUMBER: US 60/394,992
    10 <151> PRIOR FILING DATE: 2002-07-10
    12 <150> PRIOR APPLICATION NUMBER: US 60/410,988
    13 <151> PRIOR FILING DATE: 2002-09-16
    15 <160> NUMBER OF SEQ ID NOS: 42
    17 <170> SOFTWARE: PatentIn version 3.2
    19 <210> SEO ID NO: 1
    20 <211> LENGTH: 1498
    21 <212> TYPE: DNA
    22 <213 > ORGANISM: Homo sapiens
    24 <400> SEQUENCE: 1
    25 ggcacgagga taaagcctga ggcggcggca gcggcggagt tggcggcttg gagagctcgg
                                                                           60
    27 gagagttece tggaaccaga acttggacet tetegettet gteeteegtt tagteteete
                                                                          120
    180
    31 aaggatgacc tctaggaaga aagtgttgct gaaggttatc atcctgggag attctggagt
                                                                          240
    33 cgggaagaca tcactcatga accagtatgt gaataagaaa ttcagcaatc agtacaaagc
                                                                         300
                                                                          360
    35 cacaatagga getgacttte tgaccaagga ggtgatggtg gatgacagge tagtcacaat
    37 gcagatatgg gacacagcag gacaggaacg gttccagtct ctcggtgtgg ccttctacag
                                                                          420
    39 aggtgcagac tgctgcgttc tggtatttga tgtgactgcc cccaacacat tcaaaaccct
                                                                          480
    41 agatagetgg agagatgagt tteteateea ggeeagteee egagateetg aaaaetteee
                                                                          540
                                                                          600
    43 atttgttgtg ttgggaaaca agattgacct cgaaaacaga caagtggcca caaagcgggc
    45 acaggcctgg tgctacagca aaaacaacat tccctacttt gagaccagtg ccaaggaggc
                                                                          660
    47 catcaacqtg gaqcaggcgt tccagacgat tgcacggaat gcacttaagc aggaaacgga
                                                                          720
                                                                          780
    49 ggtggagetg tacaacgaat ttcctgaacc tatcaaactg gacaagaatg accgggccaa
    51 ggcctcggca gaaagctgca gttgctgagg gggcagtgag agttgagcac agagtccttc
                                                                          840
                                                                          900
    53 acaaaccaag aacacacgta ggccttcaac acaattcccc tctcctcttc caaacaaaac
                                                                          960
    55 atacattgat ctctcacatc cagctgccaa aagaaaaccc catcaaacac agttacaccc
                                                                         1020
    57 cacatatete geacacacae acacaeage acacaeacae acacagatet gaegtaatea
    59 aactccagcc cttgcccgtg atggctcctt ggggtctgcc tgcccaccca catgagcccg
                                                                         1080
                                                                         1140
    61 cgagtatggc agcaggacaa gccagcggtg gaagtcattc tgatatggag ttggcattgg
                                                                         1200
    63 aagettatte tittigitea eiggagagag agagaacigi tiacagitaa teigigieta
    65 attatctgat tttttttatt ggtcttgtgg tctttttacc ccccctttcc cctccct
                                                                         1260
    67 tgaaggctac cccttgggaa ggctggtgcc ccatgcccca ttacaggctc acacccagtc
                                                                         1320
                                                                         1380
    69 tgatcaggct gagttttgta tgtatctatc tgttaatgct tgttactttt aactaatcag
    71 atctttttac aqtatccatt tattatqtaa tqcttcttaq aaaagaatct tataqtacat
                                                                         1440
    1498
    76 <210> SEQ ID NO: 2
```

77 <211> LENGTH: 624

RAW SEQUENCE LISTING DATE: 01/19/2005
PATENT APPLICATION: US/10/520,836 TIME: 12:20:02

78 <212> TYPE: DNA	
79 <213> ORGANISM: Homo sapiens	
81 <400> SEQUENCE: 2	
82 atgaceteta ggaagaaagt gttgetgaag gttateatee tgggagatte tggagteggg	60
84 aagacatcac tcatgaacca gtatgtgaat aagaaattca gcaatcagta caaagccaca	120
86 ataggagetg actttetgae caaggaggtg atggtggatg acaggetggt cacaatgeag	180
88 atatgggaca cagcaggaca ggaacggttc cagtctctcg gtgtggcctt ctacagaggt	240
90 gcagactgct gcgttctggt atttgatgtg actgcccca acacattcaa aaccctagat	300
92 agctggagag atgagtttct cgtccaggcc agtccccgag atcctgaaaa cttcccattt	360
94 gttgtgttgg gaaacaaggt tgacctcgaa aacagacaag tggccacaaa gcgggcacag	420
96 gcctggtgct acagcaaaaa caacattccc tactttgaga ccagtgccaa ggaggccatc	480
98 aacgtggagc aggcgttcca gacgattgca cggaatgcac ttaagcagga aacggaggtg	540
100 gagetgtaca acgaatttee tgaacetate aaactggaca agaatgaceg ggecaaggee	600
102 tcggcagaaa gctgcagttg ctga	624
105 <210> SEQ ID NO: 3	
106 <211> LENGTH: 800	
107 <212> TYPE: DNA	
108 <213> ORGANISM: Homo sapiens	
110 <400> SEQUENCE: 3	
111 tgcccccaac acattcaaaa ccctagatag ctggagagat gagtttctca tccaggccag	60
113 tccccgagat cctgaaaact tcccatttgt tgtgttggga aacaagattg acctcgaaaa	120
115 cagacaagtg gccacaaagc gggcacaggc ctggtgctac agcaaaaaca acattcccta	180
117 ctttgagacc agtgccaagg aggccatcaa cgtggagcag gcgttccaga cgattgcacg	240
119 gaatgcactt aagcaggaaa cggaggtgga gctgtacaac gaatttcctg aacctatcaa	300
121 actggacaag aatgaccggg ccaaggcctc ggcagaaagc tgcagttgct gagggggcag	360
123 tgagagttga gcacagagtc cttcacaaac caagaacaca cgtaggcctt caacacaatt	420
125 cccctctcct cttccaaaca aaacatacat tgatctctca catccagctg ccaaaagaaa	480
127 accccatcaa acacagttac accccacata teteteacae acacacacae acgcacacae	540
129 acacacag atctgacgta atcaaactcc agcccttgcc cgtgatggct ccttggggtc	600
131 tgcctgccca cccacatgag cccgcgagta tggcagcagg acaagccagc ggtggaagtc	660
133 attctgatat ggagttggca ttggaagctt attctttttg ttcactggag agagagaga	720
135 ctgtttacag ttaatctgtg tctaattatc tgatttttt tattggtctt gtggtctttt	780
137 tacccccct ttcccctccc	800
140 <210> SEQ ID NO: 4	
141 <211> LENGTH: 2190	
142 <212> TYPE: DNA	
143 <213> ORGANISM: Homo sapiens	
145 <400> SEQUENCE: 4	
146 ataaageetg aggeggegge ageggeggag ttggeggett ggagageteg ggagagttee	60
148 ctggaaccag aactcggacc ttctcgcttc tgtcctccgt ttagtctcct cctcggcggg	120
150 agecetegeg acgegeegg eceggageee ecagegeage ggeegegttt gaaggatgae	180
152 ctctaggaag aaagtgttgc tgaaggttat catcctggga gattctggag tcgggaagac	240
154 atcactcatg aaccagtatg tgaataagaa attcagcaat cagtacaaag ccacaatagg	300
156 agetgaettt etgaecaagg aggtgatggt ggatgaeagg etagteacaa tgeagatatg	360
158 ggacacagca ggacaggaac ggttccagtc tctcggtgtg gccttctaca gaggtgcaga	420
160 ctgctgcgtt ctggtatttg atgtgactgc ccccaacaca ttcaaaaccc tagatagctg	480
162 gagagatgag tttctcatcc aggccagtcc ccgagatcct gaaaacttcc catttgttgt	540
164 gttgggaaac aagattgacc tcgaaaacag acaagtggcc acaaagcggg cacaggcctg	600
166 gtgctacagc aaaaacaaca ttccctactt tgagaccagt gccaaggagg ccatcaacgt	660

DATE: 01/19/2005

TIME: 12:20:02

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,836

	ggagcaggcg	ttccagacga	ttgcacggaa	tgcacttaag	caggaaacgg	aggtggaggt	720
	gtacaacgaa			_			780
	agaaagctgc						840
	gaacacacgt						900
	tctctcacac						960
							1020
						aaactccagc.	1020
	ccttgcccgt						
	cagcaggaca						1140
	ctttttgttc						1200
	tttttttat						1260
	ccccttggga						1320
	tgagttttgt						1380
	cagtatccat						1440
	tgcaaccaat						1500
196	tgtaatgcag	gcctgtaagg	tggagggttg	aaccctgttt	ggattgcaga	gtgttactca	1560
198	gaattgggaa	atccagctag	cggcagtatt	ctgtacagta	gacacaagaa	ttatgtacgc	1620
200	cttttatcaa	agacttaaga	gccaaaagct	tttcatctct	ccaggggaaa	aactgtctag	1680
202	ttcccttctg	tgtctaaatt	ttccaaaacg	gttgatttgc	ataatacagt	ggtatgtgca	1740
204	atggataaat	tgccgttatt	tcaaaaatta	aaattctcat	tttctttctt	ttttttcccc	1800
	cctgctccac						1860
	accctaacag						1920
	tgtggtattc						1980
	gcccattatt						2040
	ggatctgccc						2100
	cattctaggg						2160
	aacaagaaca						2190
	<210> SEQ 1	_	uuuuuuuuu				
222							
	<211> LENGT	TH: 1358					
223	<211> LENGT <212> TYPE:	TH: 1358 : DNA	zaniene				
223 224	<211> LENGT <212> TYPE: <213> ORGAN	TH: 1358 : DNA NISM: Homo :	sapiens				
223 224 226	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE	TH: 1358 : DNA NISM: Homo : ENCE: 5	_	aaadattaa	taaaattat	catectogga	60
223 224 226 227	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt</pre>	TH: 1358 : DNA VISM: Homo : ENCE: 5 gaaggatgac	ctctaggaag				60
223 224 226 227 229	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag	TH: 1358 : DNA VISM: Homo : ENCE: 5 gaaggatgac tcgggaagac	ctctaggaag atcactcatg	aaccagtatg	tgaataagaa	attcagcaat	120
223 224 226 227 229 231	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag</pre>	TH: 1358 : DNA VISM: Homo : ENCE: 5 gaaggatgac tcgggaagac ccacaatagg	ctctaggaag atcactcatg agctgacttt	aaccagtatg ctgaccaagg	tgaataagaa aggtgatggt	attcagcaat ggatgacagg	120 180
223 224 226 227 229 231 233	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa	TH: 1358 : DNA VISM: Homo : ENCE: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg	ctctaggaag atcactcatg agctgacttt ggacacagca	aaccagtatg ctgaccaagg ggacaggaac	tgaataagaa aggtgatggt ggttccagtc	attcagcaat ggatgacagg tctcggtgtg	120 180 240
223 224 226 227 229 231 233 235	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca</pre>	TH: 1358 : DNA VISM: Homo : ENCE: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg	tgaataagaa aggtgatggt ggttccagtc atgtgactgc	attcagcaat ggatgacagg tctcggtgtg ccccaacaca	120 180 240 300
223 224 226 227 229 231 233 235 237	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc	TH: 1358 : DNA VISM: Homo s ENCE: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct	120 180 240 300 360
223 224 226 227 229 231 233 235 237 239	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc	TH: 1358 DNA SISM: Homo service: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg catttgttgt	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc	120 180 240 300 360 420
223 224 226 227 229 231 233 235 237 239 241	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc acaaagcggg	TH: 1358 : DNA VISM: Homo service: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg catttgttgt cacaggcctg	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt	120 180 240 300 360 420 480
223 224 226 227 229 231 233 235 237 239 241 243	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg	TH: 1358 : DNA VISM: Homo service: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg catttgttgt cacaggcctg ccatcaacgt	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaacaaca ttccagacga	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag	120 180 240 300 360 420 480 540
223 224 226 227 229 231 233 235 237 239 241 243 245	<211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg	TH: 1358 DNA NISM: Homo some concentration of the	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat	120 180 240 300 360 420 480 540
223 224 226 227 229 231 233 235 237 239 241 243 245 247	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccgggcca</pre>	TH: 1358 DNA VISM: Homo some concentration of the	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac agttgctgag	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca	120 180 240 300 360 420 480 540 600
223 224 226 227 229 231 233 235 237 241 243 245 247 249	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccgggcca cagagtcctt</pre>	TH: 1358 DNA NISM: Homo and the second sec	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacaccgt	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt	120 180 240 300 360 420 480 540 600 660 720
223 224 226 227 229 231 233 235 237 241 243 245 247 249 251	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gcttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccgggcca cagagtcctt ccaaacaaaa</pre>	TH: 1358 : DNA VISM: Homo sence: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg catttgttgt cacaggcctg ccatcaacgt aggtggagct aggcctcggc cacaaaccaa catacattga	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacacacgt tctctcacat	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa ccagctgcca	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc aaagaaaacc	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt ccatcaaaca	120 180 240 300 360 420 480 540 600 660 720
223 224 226 227 229 231 233 235 237 241 243 245 247 249 251	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gccttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccgggcca cagagtcctt</pre>	TH: 1358 : DNA VISM: Homo sence: 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg catttgttgt cacaggcctg ccatcaacgt aggtggagct aggcctcggc cacaaaccaa catacattga	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacacacgt tctctcacat	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa ccagctgcca	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc aaagaaaacc	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt ccatcaaaca	120 180 240 300 360 420 480 540 600 720 780 840
223 224 226 227 229 231 233 235 237 249 241 243 245 247 249 251 253	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gcttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccgggcca cagagtcctt ccaaacaaaa</pre>	TH: 1358 : DNA VISM: Homo services 5 gaaggatgac tcgggaagac ccacaatagg tgcagatatg gaggtgcaga tagatagctg catttgttgt cacaggcctg ccatcaacgt aggtggagct aggcctcggc cacaaaccaa catacattga ccacatatct	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacacacgt tctctcacat ctcacacaca	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa ccagctgcca cacacacg	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc aaagaaaacc cacacaca	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt ccatcaaaca cacacagatc	120 180 240 300 360 420 480 540 600 660 720 780 840 900
223 224 226 227 229 231 233 235 237 249 241 243 245 247 249 251 253 255	<pre><211> LENGT <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gcttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccggcca cagagtcctt ccaaacaaaa cagttacacc</pre>	TH: 1358 : DNA VISM: Homo some concentration of the	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacacacgt tctctcacat ctcacacaca ccttgcccgt	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa ccagctgcca cacacacacg gatggctcct	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc aaagaaaacc cacacacac tggggtctgc	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt ccatcaaaca cacacagatc ctgcccaccc	120 180 240 300 360 420 480 540 660 720 780 840 900 960
223 224 226 227 229 231 233 235 237 249 241 243 245 247 249 251 253 255 257	<211> LENGY <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gcttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccggcca cagagtcctt ccaaacaaaa cagttacacc tgacgtaatc	TH: 1358 DNA VISM: Homo some some some some some some some s	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacaacagt tctctcacat ctcacacaca ccttgcccgt cagcaggaca	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa ccagctgcca cacacacacg gatggctcct agccagcggt	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc aaagaaaacc cacacacac tggggtctgc ggaagtcatt	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt ccatcaaaca cacacagatc ctgcccaccc ctgatatgga	120 180 240 300 360 420 480 540 600 660 720 780 840 900
223 224 226 227 229 231 233 235 237 249 241 243 245 247 251 253 255 257 259	<211> LENGY <212> TYPE: <213> ORGAN <400> SEQUE ggccgcgttt gattctggag cagtacaaag ctagtcacaa gcttctaca ttcaaaaccc gaaaacttcc acaaagcggg gccaaggagg caggaaacgg gaccgggcca cagagtcctt ccaaacaaaa cagttacacc tgacgtaatc acatgagccc acatgagccc	TH: 1358 DNA NISM: Homo some some some some some some some s	ctctaggaag atcactcatg agctgacttt ggacacagca ctgctgcgtt gagagatgag gttgggaaac gtgctacagc ggagcaggcg gtacaacgaa agaaagctgc gaacacacgt tctctcacat ctcacacac ccttgcccgt cagcaggaca ctttttgttc	aaccagtatg ctgaccaagg ggacaggaac ctggtatttg tttctcatcc aagattgacc aaaaacaaca ttccagacga tttcctgaac agttgctgag aggccttcaa ccagctgcca cacacacacg gatggctcct agccagcggt actggagaga	tgaataagaa aggtgatggt ggttccagtc atgtgactgc aggccagtcc tcgaaaacag ttccctactt ttgcacggaa ctatcaaact ggggcagtga cacaattccc aaagaaaacc cacacacac tggggtctgc ggaagtcatt gagagaactg	attcagcaat ggatgacagg tctcggtgtg ccccaacaca ccgagatcct acaagtggcc tgagaccagt tgcacttaag ggacaagaat gagttgagca ctctcctctt ccatcaaaca cacacagatc ctgcccaccc ctgatatgga tttacagtta	120 180 240 300 360 420 480 540 660 720 780 840 900 960

RAW SEQUENCE LISTING DATE: 01/19/2005
PATENT APPLICATION: US/10/520,836 TIME: 12:20:02

263	ccctcctcc ttgaaggcta	ccccttggga	aggctggtgc	cccatgcccc	attacaggct	1140
265	cacacccagt ctgatcaggc	tgagttttgt	atgtatctat	ctgttaatgc	ttgttacttt	1200
267	taactaatca gatcttttta	cagtatccat	ttattgtaat	gcttcttaga	aaagaatctt	1260
269	atagtacatg ttaatatatg	caaccaatta	aaatgtataa	attagtgtaa	aaaaaaaaa	1320
271	aaaaaaaaa aaaaaaaaa	aaaaaaaaa	aaaaaaa			1358
274	<210> SEQ ID NO: 6					
275	<211> LENGTH: 1498					
276	<212> TYPE: DNA					
277	<213> ORGANISM: Homo	sapiens				
279	<400> SEQUENCE: 6					
280	ggcacgagga taaagcctga	ggcggcggca	gcggcggagt	tggcggcttg	gagagctcgg	60
282	gagagttccc tggaaccaga	acttggacct	tctcgcttct	gtcctccgtt	tagtctcctc	120
284	ctcggcggga gccctcgcga	cgcgcccggc	ccggagcccc	cagcgcagcg	gccgcgtttg	180
	aaggatgacc tctaggaaga					240
	cgggaagaca tcactcatga					300
	cacaatagga gctgactttc					360
	gcagatatgg gacacagcag					420
	aggtgcagac tgctgcgttc					480
	agatagetgg agagatgagt					540
	atttgttgtg ttgggaaaca					600
	acaggeetgg tgetacagea					660
	catcaacgtg gagcaggcgt					720
	ggtggagctg tacaacgaat			_		780
	ggcctcggca gaaagctgca					840
	acaaaccaag aacacacgta					900
	atacattgat ctctcacatc					960
	cacatatete geacacacae					1020
	aactccagcc cttgcccgtg					1080
	cgagtatggc agcaggacaa					1140
	aagcttattc tttttgttca					1200
	attatctgat ttttttatt					1260
	tgaaggctac cccttgggaa					1320
	tgatcaggct gagttttgta					1380
	atcttttac agtatccatt					1440
	gttaatatat gcaaccaatt					1498
	<210> SEQ ID NO: 7	_				
	<211> LENGTH: 1498					
	<212> TYPE: DNA					
334	<213> ORGANISM: Homo	sapiens				
	<400> SEQUENCE: 7	-				
	ggcacgagga taaagcctga	gacaacaaca	gcggcggagt	tagcagetta	gagagetegg	60
	gagagttccc tggaaccaga					120
	ctcggcggga gccctcgcga					180
	aaggatgacc tctaggaaga					240
	cgggaagaca tcactcatga					300
	cacaatagga gctgactttc					360
	gcagatatgg gacacagcag					420
	aggtgcagac tgctgcgttc					480
	agatagetgg agagatgagt					540
	- 5			2:2:3		

RAW SEQUENCE LISTING DATE: 01/19/2005
PATENT APPLICATION: US/10/520,836 TIME: 12:20:02

355	atttgttgtg	ttgggaaaca	agattgacct	cgaaaacaga	caagtggcca	caaagcgggc	600
	acaggcctgg						660
	catcaacgtg						720
	ggtggagctg						780
	ggcctcggca						840
	acaaaccaag						900
	atacattgat						960
	cacatatctc						1020
	aactccagcc						1080
	cgagtatggc						1140
	aagcttattc						1200
	attatctgat						1260
	tgaaggctac						1320
	tgatcaggct						1380
	atctttttac						1440
	gttaatatat						1498
	<210> SEQ I	_	3	3 3			
	<211> LENGT						
	<212> TYPE:						
	<213> ORGAN		sapiens				
	<400> SEQUE						
	atgacctcta		gttgctgaag	gttatcatcc	tqqqaqattc	tqqaqtcqqq	60
	aagacatcac						120
	ataggagctg						180
	atatgggaca						240
	gcagactgct						300
	agctggagag						360
	gttgtgttgg						420
	gcctggtgct	_					480
	aacgtggagc						540
	gagctgtaca						600
	tcggcagaaa					33 33	624
	<210> SEQ I		5				
	<211> LENGT						
	<212> TYPE:						
	<213> ORGAN		sapiens				
	<400> SEQUE		-				
	gtggcgtggc		tttcttttqc	ctatctttat	cccagagcct	cttccctggc	60
	cctgctgaga						120
	ctcagagcgg						180
	ccggaagaag						240
	cctccttcac						300
	cagcatcctc						360
	cacgggcggt						420
	ctgcatccta						480
	gggtgatgtc						540
	gaacaagatc						600
	agagaaagat		· · · · · ·				660
	gtttgagatg						720
	JJJJ	ىدى دى دى د			5		

VERIFICATION SUMMARY

PATENT APPLICATION: .US/10/520,836 TIME: 12:20:03

Input Set : A:\EX03-050C-US.patentin.txt
Output Set: N:\CRF4\01192005\J520836.raw

DATE: 01/19/2005

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date